

Proceedings of

3rd Global Food Security Food Safety & Sustainability Conference

May 21 -22, 2018 | New York, USA



CONFERENCE HALL: TRIBECA 1

08:15-08:30 Registrations

08:30-09:00 Opening Ceremony

Keynote Forum

Introduction

09:00-09:40 **Title: Food security for major urban and metropolitan centers: The convergence of different forms of urban agricultural production in the face of multiple stressors and constraints**
Christopher Bryant, University of Guelph, Canada

09:40-10:20 **Title: Disposable gloves & flexible packaging in the food industry: An under-appreciated WMD risk**
Barry S Michaels, B. Michaels Group Inc, USA

Group Photo

Panel Discussion

Networking & Refreshment Break 10:20-10:40 @ Lobby Lounge

10:40-11:20 **Title: Food security indicators, strategies and policies for the Middle East and North Africa Region**
Eihab Fathelrahman, United Arab Emirates University, UAE

Sessions

Food Security, Poverty and Sustainability | Sustainable Food systems and Argo-Ecological Food Production | Food Waste | Community Development for Food Security | Climate Impacts on Food Security

Session Chair: Rudra Bahadur Shrestha, Thai Nguyen University, Vietnam

Session Co-chair: Jonas Osei-Adu, CSIR-Crops Research Institute, Ghana

Session Introduction

11:20-11:45 **Title: Profit efficiency of Nepalese vegetable farms: Policy implications for reducing poverty and improving food and nutrition security**
Rudra Bahadur Shrestha, Thai Nguyen University, Vietnam

11:45-12:10 **Title: Managing your international supply chain**
Elise Forward, Forward Food Solutions LLC, USA

12:10-12:35 **Title: The implementation of the DIVERCROP project in Algeria**
Salah Bouchemal, University of Oum Ei Bouagchi, Algeria

12:35-13:00 **Title: The patenting of life, limiting liberty, and the corporate pursuit of seeds**
Ali Nizamuddin, University of Illinois Springfield, USA

Panel Discussion

Lunch Break 13:00-13:45 @ Lobby Lounge

13:45-14:10 **Title: Effectiveness of participatory research to sustainable seed yam production: The case of the cay seed project**
Jonas Osei-Adu, CSIR-Crops Research Institute, Ghana

14:10-14:35 **Title: Can a panamanian food chain cut the mustard concerning food safety cultural compliance: A case study of the suvlas restaurant chain**
Derek Watson & Sophia Pandi, University of Sunderland, UK

14:35-15:00 **Title: Effect of organic farming on soil fertility, microbial diversity, growth and yield of tomato (*Solanum lycopersicum*) under rainfed red sandy loam soils of Karnataka, India**
Ganapathi, University of Agricultural and Horticultural Sciences, India

15:00-15:25 **Title: Commonly used food adulterants in Sri Lanka**
Deepika Senevirathne, Government Analyst's Department, Sri Lanka

15:25-15:50 **Title: Changing gender roles in seed yam production among smallholder farmers in Ghana: Implications for food security**
Joyce Haleegoah, CSIR-Crops Research Institute, Ghana

15:50-16:20 **Title: Improved agronomic package for seed yam production by smallholder farmers in Nigeria and Ghana**

Beatrice Aighewi, International Institute of Tropical Agriculture, Nigeria

16:20-16:40 **Title: Value chain governance of african indigenous vegetables: Smallholders participation in Kenya**

Abel B Otieno, Humboldt University of Berlin, Germany

Panel Discussion

Networking & Refreshment Break 16:40-16:55 @ Lobby Lounge

Young Researchers Forums

16:55-17:15 **Title: Glean Hudson valley: Aligning abundance and scarcity for a just and equitable food system**

Evelina S Knodel, Columbia University, USA

17:15-17:35 **Title: Organoleptic assessment of edible vegetable oils with Imarsil® and activated charcoal**

Oni Eniola Olujemsi, Federal University of Agriculture, Nigeria

Panel Discussion

Day 2 May 22, 2018

CONFERENCE HALL: TRIBECA 1

Keynote Forum

09:00-09:40 **Title: Effects of modified atmosphere packaging on the shelf life of broccoli florets based on the amounts and activities of respiratory enzymes**

Yoshio Makino, The University of Tokyo, Japan

09:40-10:20 **Title: Salmonella metabolism and its effect on host colonization of food-producing animals**

Katherine Miller, Food Safety Net Services, USA

Networking & Refreshment Break 10:20-10:40 @ Lobby Lounge

Workshop

10:40-12:10 **Title: Developing successful food security projects around and in cities**

Christopher Bryant, University of Guelph, Canada

Sessions: Agricultural and Food Economics | Food Safety and Food Inspection | Agriculture and Food Security | Quality Control & Management

Session Chair: **Elise Forward**, Forward Food Solutions LLC, USA

Session Co-Chair: **Kingsley Osei**, CSIR-Crops Research Institute, Ghana

Session Introduction

12:10-12:35 **Title: Enhancing the productivity of farmer saved seed yam in Ghana: The positive selection factor**

Kingsley Osei, CSIR-Crops Research Institute, Ghana

12:35-13:00 **Title: Impact of flagship programmes on food security in India**

M Sai Leela, St. Joseph's college for Women, India

Panel Discussion

Lunch Break 13:00-14:00 @ Lobby Lounge

14:00-14:25 **Title: Combination of multivariate analysis and image processing for detection of protein in cooked pork sausages by using visible near-infrared hyperspectral imaging**

Chao-Hui Feng, The University of Tokyo, Japan

14:25-14:50 **Title: Awareness and adoption of positive selection techniques in seed yam production among small holder yam farmers in Ghana**

Bright Owusu Asante, CSIR-Crops Research Institute, Ghana

14:50-15:15 **Title: Phenotypic responses of maize (*Zea mays L.*) for grain development under drought stress**

Javed Hussain Umrani, Sindh Agriculture University, Pakistan

15:15-15:35 **Title: Clean seed production in Ghana and Sub-Saharan Africa: The role of tissue culture and molecular biology tools**

Marian D Quain, CSIR-Crops Research Institute, Ghana

15:35-16:00 **Title: Researches on the use of post-harvest agricultural waste to obtain plant bio stimulators and bio fertilizers**

Daniela Trifan, Agricultural Research and Development Station of Braila, Romania

Panel Discussion

Networking & Refreshment Break 16:00-16:15 @ Lobby Lounge

Poster Presentations 16:15-17:15

Poster Judge: Christopher Bryant, University of Guelph, Canada

- P 01** **Title: Comparison of antioxidant activity of different species and strains of turmeric (*Curcuma* spp.) and identification of active compounds**
Zahorul Islam, University of the Ryukyus, Japan
- P 02** **Title: The impact of environmental degradation through surface mining on sustainable agriculture in Ghana**
Joseph King Junior, University of Tsukuba, Japan
- P 03** **Title: Home gardening, promising practice to improve food security in urban settings of Ethiopia**
Fikralem Mezgebu Alemu, Addis Ababa University, Ethiopia
- P 04** **Title: Isolation and identification of antifungal compounds from turmeric (*Curcuma* spp.) and their activities on *Fusarium solani* sensu lato**
Jesmin Akter, University of the Ryukyus, Japan
- P 05** **Title: The study of growth and physiological characters in Sorghum (*Sorghum bicolor* (L. Moench) introgression lines under post flowering drought stress**
Sara Sintayehu, Haramaya University, Ethiopia
- P 06** **Title: Impact assessment of water supply technologies for sustainable rice production in Ghana**
Charles Yamoah, Tsukuba University, Japan
- P 07** **Title: 'Positive selection' a simple technique to reduce high virus incidence and seed yam degeneration in Ghana**
Esther Agyemang Marfo, CSIR-Crops Research Institute, Ghana
- P 08** **Title: Obtaining food security through economically and ecologically sustainable methods can lead to positive psychological attitudes and a more productive society**
Alexander Kvapil, St. Jhon's University, USA
- P 09** **Title: Participation of rural women in Agriculture for poverty alleviation in Abeokuta metropolis, Ogun State, Nigeria**
Fasasi-Hammed Rafiat Bolanle, Federal University of Agriculture, Nigeria

Panel Discussion

Award Ceremony

Thanks Giving & Closing Ceremony